

## Appendix D: Band Edge

### Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-21.35,-27.14	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-25.68,-36.07	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-27.50,-24.97	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-37.68,-27.64	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-27.55,-19.92	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-24.62,-27.97	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-23.37,-29.41	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-27.49,-35.85	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-29.59,-26.33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-38.48,-29.34	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-25.64,-21.03	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-25.09,-30.26	PASS
Band2	20MHz	QPSK	18700	1RB#0	-42.77,-37.30	PASS
Band2	20MHz	QPSK	18700	1RB#99	-41.28,-58.16	PASS
Band2	20MHz	QPSK	18700	100RB#0	-28.74,-32.32	PASS
Band2	20MHz	QPSK	19100	1RB#0	-58.82,-44.76	PASS
Band2	20MHz	QPSK	19100	1RB#99	-36.57,-44.23	PASS
Band2	20MHz	QPSK	19100	100RB#0	-33.61,-30.70	PASS
Band2	20MHz	16QAM	18700	1RB#0	-44.44,-38.29	PASS

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Band2	20MHz	16QAM	18700	1RB#99	-43.48,-59.64	PAS S
Band2	20MHz	16QAM	18700	100RB# 0	-31.83,-35.11	PAS S
Band2	20MHz	16QAM	19100	1RB#0	-59.37,-46.37	PAS S
Band2	20MHz	16QAM	19100	1RB#99	-36.34,-44.81	PAS S
Band2	20MHz	16QAM	19100	100RB# 0	-36.63,-33.84	PAS S
Band4	1.4MHz	QPSK	19957	1RB#0	-23.21,-25.71	PAS S
Band4	1.4MHz	QPSK	19957	1RB#5	-26.02,-34.44	PAS S
Band4	1.4MHz	QPSK	19957	6RB#0	-26.23,-26.76	PAS S
Band4	1.4MHz	QPSK	20393	1RB#0	-33.61,-25.59	PAS S
Band4	1.4MHz	QPSK	20393	1RB#5	-24.88,-24.53	PAS S
Band4	1.4MHz	QPSK	20393	6RB#0	-27.21,-27.14	PAS S
Band4	1.4MHz	16QAM	19957	1RB#0	-24.83,-26.33	PAS S
Band4	1.4MHz	16QAM	19957	1RB#5	-27.87,-33.43	PAS S
Band4	1.4MHz	16QAM	19957	6RB#0	-28.11,-28.08	PAS S
Band4	1.4MHz	16QAM	20393	1RB#0	-34.58,-27.26	PAS S
Band4	1.4MHz	16QAM	20393	1RB#5	-27.29,-26.06	PAS S
Band4	1.4MHz	16QAM	20393	6RB#0	-29.23,-29.25	PAS S
Band4	20MHz	QPSK	20050	1RB#0	-43.64,-37.63	PAS S
Band4	20MHz	QPSK	20050	1RB#99	-34.34,-58.51	PAS S
Band4	20MHz	QPSK	20050	100RB# 0	-31.22,-34.26	PAS S
Band4	20MHz	QPSK	20300	1RB#0	-35.56,-27.41	PAS

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Band4	20MHz	QPSK	20300	1RB#99	-37.69,-43.73	PAS S
Band4	20MHz	QPSK	20300	100RB# 0	-33.09,-30.82	PAS S
Band4	20MHz	16QAM	20050	1RB#0	-44.44,-37.65	PAS S
Band4	20MHz	16QAM	20050	1RB#99	-36.93,-59.48	PAS S
Band4	20MHz	16QAM	20050	100RB# 0	-31.08,-34.23	PAS S
Band4	20MHz	16QAM	20300	1RB#0	-37.80,-31.14	PAS S
Band4	20MHz	16QAM	20300	1RB#99	-37.87,-44.47	PAS S
Band4	20MHz	16QAM	20300	100RB# 0	-32.66,-30.13	PAS S
Band5	1.4MHz	QPSK	20407	1RB#0	-49.22,-31.65	PAS S
Band5	1.4MHz	QPSK	20407	1RB#5	-56.53,-49.21	PAS S
Band5	1.4MHz	QPSK	20407	6RB#0	-44.78,-36.67	PAS S
Band5	1.4MHz	QPSK	20643	1RB#0	-49.13,-55.28	PAS S
Band5	1.4MHz	QPSK	20643	1RB#5	-33.31,-50.74	PAS S
Band5	1.4MHz	QPSK	20643	6RB#0	-34.29,-43.25	PAS S
Band5	1.4MHz	16QAM	20407	1RB#0	-50.22,-32.50	PAS S
Band5	1.4MHz	16QAM	20407	1RB#5	-56.51,-48.57	PAS S
Band5	1.4MHz	16QAM	20407	6RB#0	-44.62,-37.87	PAS S
Band5	1.4MHz	16QAM	20643	1RB#0	-47.90,-56.12	PAS S
Band5	1.4MHz	16QAM	20643	1RB#5	-36.97,-51.35	PAS S
Band5	1.4MHz	16QAM	20643	6RB#0	-34.97,-42.50	PAS S
Band5	10MHz	QPSK	20450	1RB#0	-56.58,-34.14	PAS

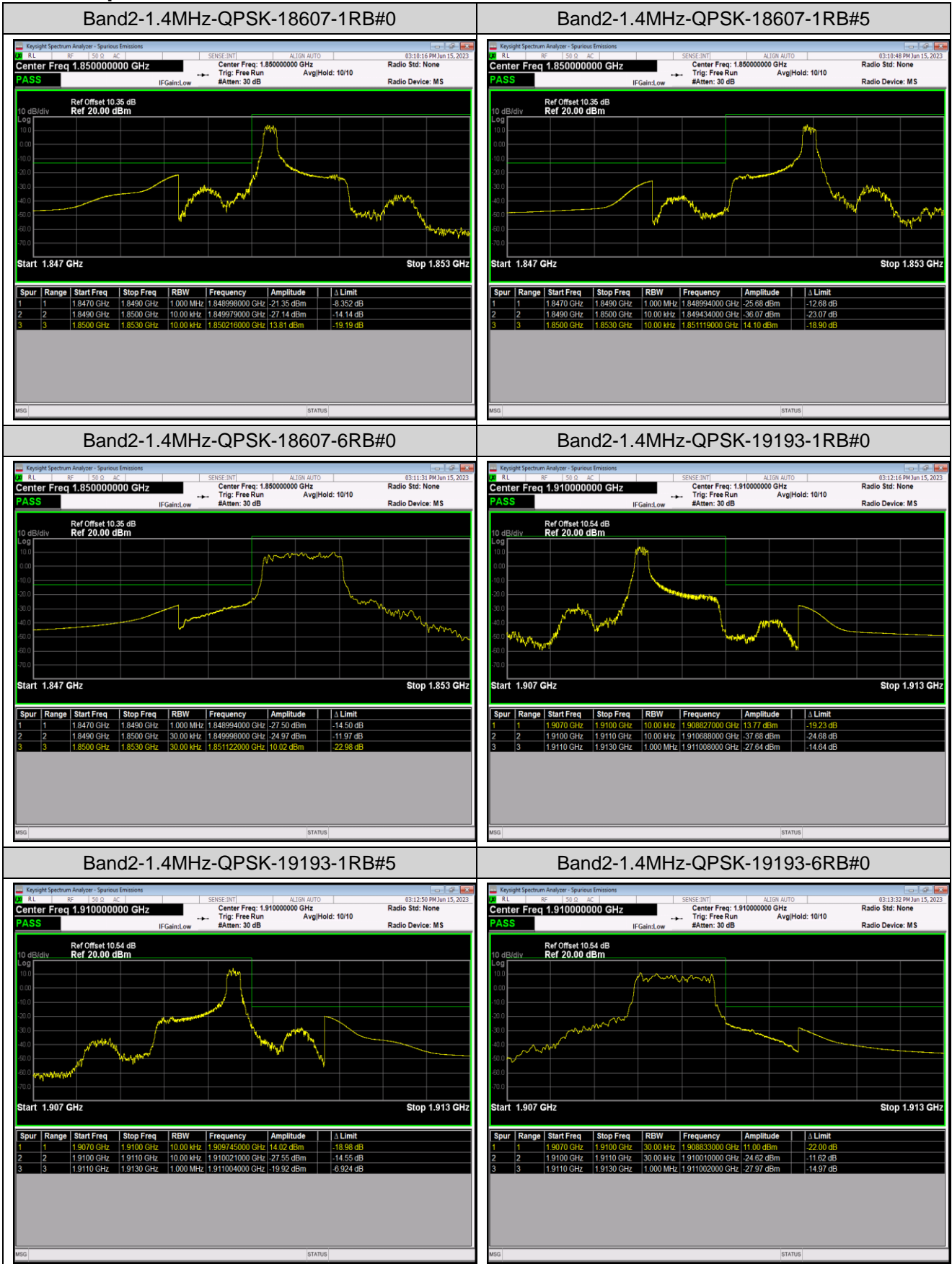
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Band5	10MHz	QPSK	20600	1RB#0	-50.99,-46.07	PAS S
Band5	10MHz	QPSK	20600	1RB#49	-32.74,-54.24	PAS S
Band5	10MHz	QPSK	20600	50RB#0	-31.48,-39.13	PAS S
Band5	10MHz	16QAM	20450	1RB#0	-57.79,-36.45	PAS S
Band5	10MHz	16QAM	20450	1RB#49	-50.18,-52.21	PAS S
Band5	10MHz	16QAM	20450	50RB#0	-45.08,-36.63	PAS S
Band5	10MHz	16QAM	20600	1RB#0	-51.49,-45.79	PAS S
Band5	10MHz	16QAM	20600	1RB#49	-33.92,-56.50	PAS S
Band5	10MHz	16QAM	20600	50RB#0	-33.32,-40.95	PAS S
Band7	5MHz	QPSK	20775	1RB#0	-44.96,-34.85,-34.74,-25.61	PAS S
Band7	5MHz	QPSK	20775	1RB#24	-49.01,-37.26,-37.16,-43.43	PAS S
Band7	5MHz	QPSK	20775	25RB#0	-38.24,-29.36,-20.10,-24.67	PAS S
Band7	5MHz	QPSK	21425	1RB#0	-44.01,-36.41,-49.18,-49.51	PAS S
Band7	5MHz	QPSK	21425	1RB#24	-26.27,-35.64,-48.14,-45.05	PAS S
Band7	5MHz	QPSK	21425	25RB#0	-21.64,-16.01,-38.47,-39.60	PAS S
Band7	5MHz	16QAM	20775	1RB#0	-47.37,-37.19,-37.29,-28.72	PAS S
Band7	5MHz	16QAM	20775	1RB#24	-49.51,-42.89,-41.72,-46.67	PAS S
Band7	5MHz	16QAM	20775	25RB#0	-38.80,-31.45,-20.87,-25.99	PAS S
Band7	5MHz	16QAM	21425	1RB#0	-46.52,-38.36,-49.33,-49.46	PAS

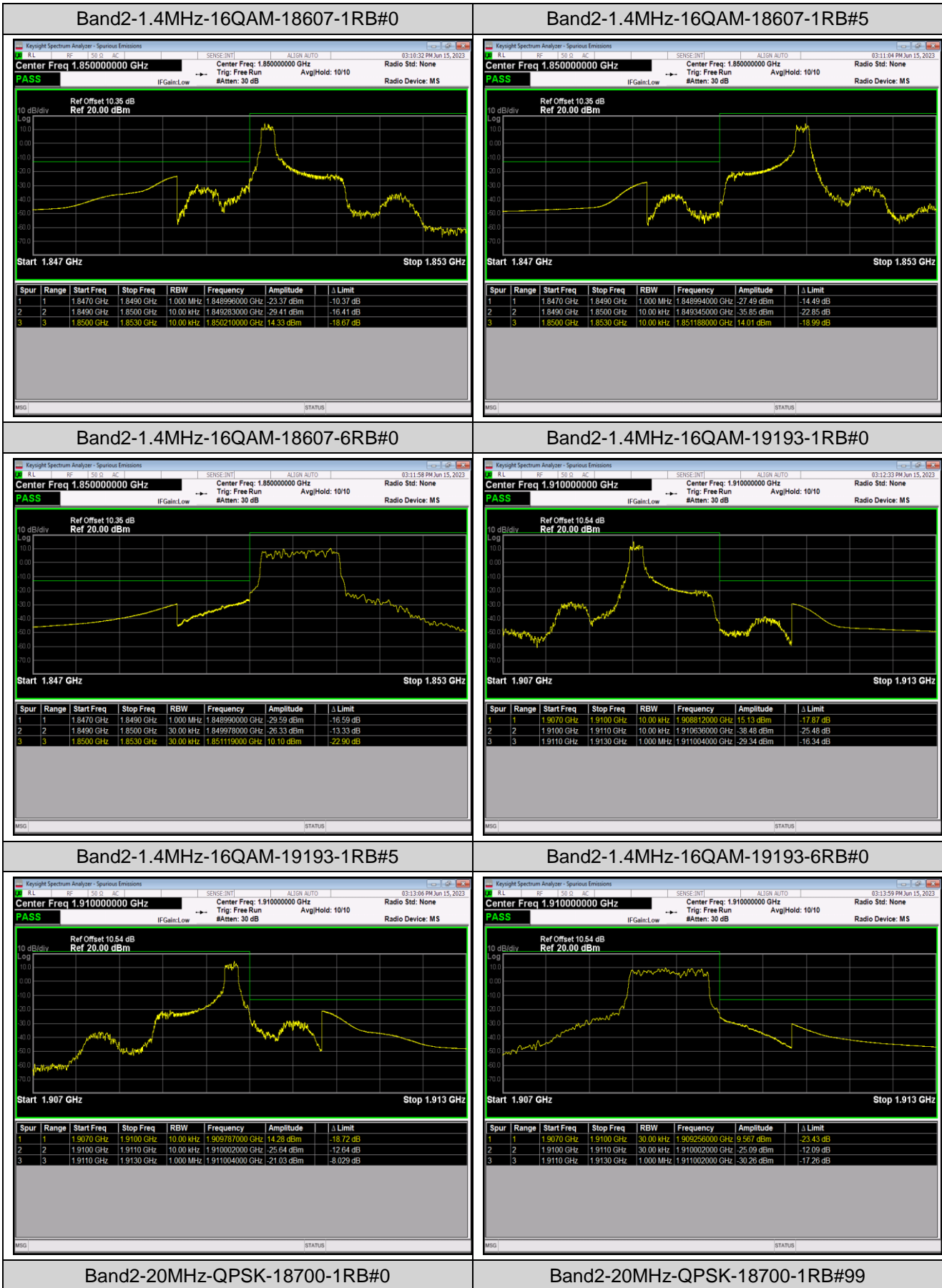
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Band7	5MHz	16QAM	21425	25RB#0	-24.50,-19.84,-37.88,-40.81	PAS S
Band7	20MHz	QPSK	20850	1RB#0	-37.74,-41.82,-40.01	PAS S
Band7	20MHz	QPSK	20850	1RB#99	-37.76,-46.05,-57.60	PAS S
Band7	20MHz	QPSK	20850	100RB# 0	-30.78,-26.20,-24.21,-27.61	PAS S
Band7	20MHz	QPSK	21350	1RB#0	-59.54,-46.91,-39.94,-50.44	PAS S
Band7	20MHz	QPSK	21350	1RB#99	-35.38,-41.94,-41.27,-50.47	PAS S
Band7	20MHz	QPSK	21350	100RB# 0	-26.46,-23.16,-25.75,-48.08	PAS S
Band7	20MHz	16QAM	20850	1RB#0	-38.96,-43.08,-38.78	PAS S
Band7	20MHz	16QAM	20850	1RB#99	-38.99,-46.68,-58.66	PAS S
Band7	20MHz	16QAM	20850	100RB# 0	-32.10,-28.16,-26.20,-29.75	PAS S
Band7	20MHz	16QAM	21350	1RB#0	-58.41,-47.53,-41.30,-50.50	PAS S
Band7	20MHz	16QAM	21350	1RB#99	-38.06,-42.56,-41.41,-50.52	PAS S
Band7	20MHz	16QAM	21350	100RB# 0	-29.53,-26.06,-27.86,-47.76	PAS S
Band1 3	5MHz	QPSK	23205	1RB#0	-66.08,-64.55,-36.96,-27.82	PAS S
Band1 3	5MHz	QPSK	23205	1RB#24	-66.06,-50.15,-50.92,-45.47	PAS S
Band1 3	5MHz	QPSK	23205	25RB#0	-66.14,-47.25,-33.58,-34.96	PAS S
Band1 3	5MHz	QPSK	23255	1RB#0	-46.70,-46.08,-73.81,-66.17	PAS S
Band1 3	5MHz	QPSK	23255	1RB#24	-27.37,-43.34,-65.73,-66.11	PAS S
Band1 3	5MHz	QPSK	23255	25RB#0	-36.06,-35.32,-66.68,-66.14	PAS S
Band1	5MHz	16QAM	23205	1RB#0	-66.17,-67.73,-41.02,-29.33	PAS

3						S
Band1 3	5MHz	16QAM	23205	1RB#24	-66.16,-52.93,-54.33,-47.56	PAS S
Band1 3	5MHz	16QAM	23205	25RB#0	-66.15,-45.47,-34.28,-35.88	PAS S
Band1 3	5MHz	16QAM	23255	1RB#0	-47.85,-46.78,-74.18,-66.16	PAS S
Band1 3	5MHz	16QAM	23255	1RB#24	-29.75,-42.21,-68.84,-66.16	PAS S
Band1 3	5MHz	16QAM	23255	25RB#0	-37.15,-35.71,-67.88,-66.15	PAS S
Band1 3	10MHz	QPSK	23230	1RB#0	-65.89,-63.91,-41.53,-34.58,-52.52,-55.72,-59.12, -66.13	PAS S
Band1 3	10MHz	QPSK	23230	1RB#49	-65.90,-63.51,-56.42,-52.29,-34.86,-42.38,-73.23, -66.14	PAS S
Band1 3	10MHz	QPSK	23230	50RB#0	-65.94,-47.92,-36.59,-39.74,-39.73,-36.90,-56.34, -66.15	PAS S
Band1 3	10MHz	16QAM	23230	1RB#0	-65.95,-67.12,-43.53,-35.26,-52.77,-56.89,-60.40, -66.13	PAS S
Band1 3	10MHz	16QAM	23230	1RB#49	-65.90,-66.09,-57.18,-52.72,-35.06,-43.76,-73.17, -66.05	PAS S
Band1 3	10MHz	16QAM	23230	50RB#0	-65.86,-47.71,-36.81,-40.10,-40.17,-36.44,-56.59, -66.15	PAS S

*Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.*

Test Graphs









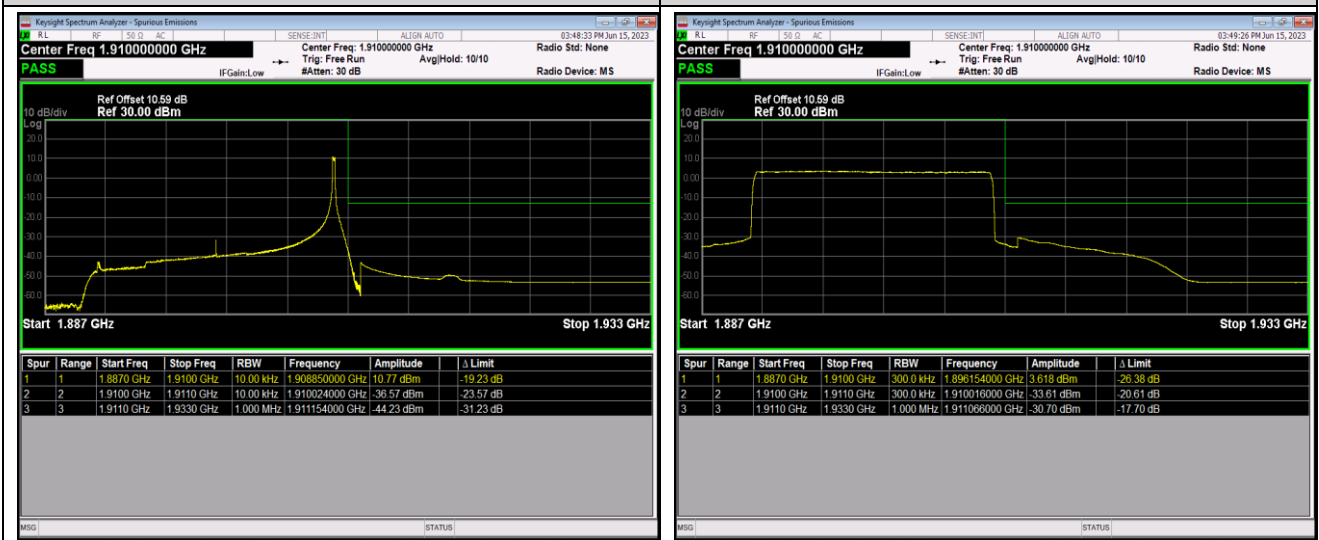
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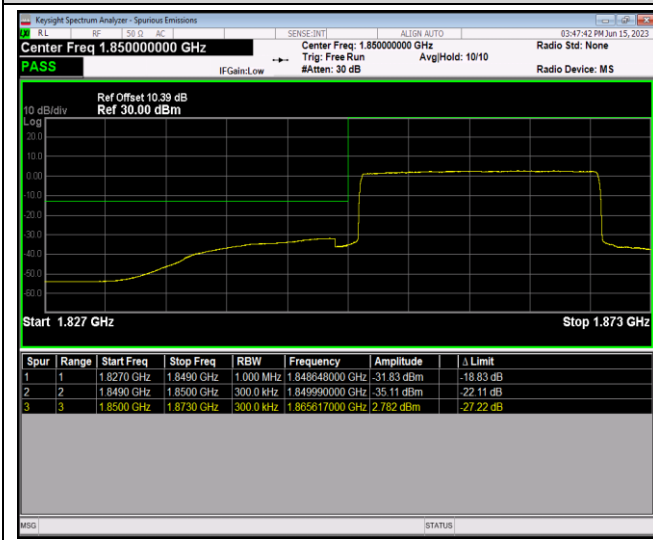
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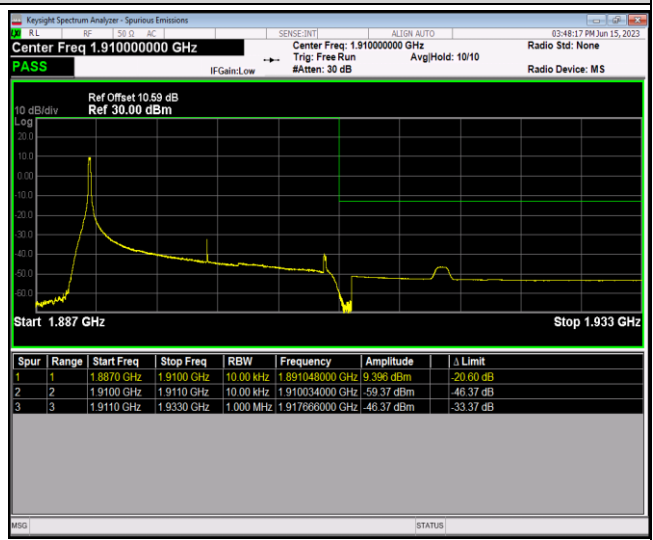


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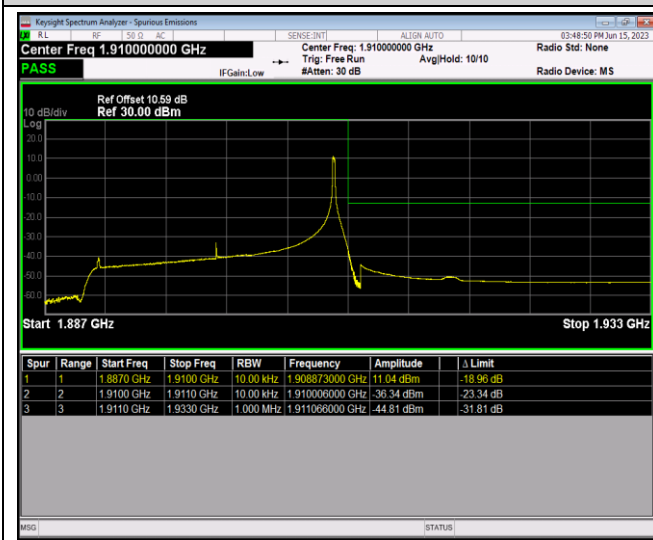
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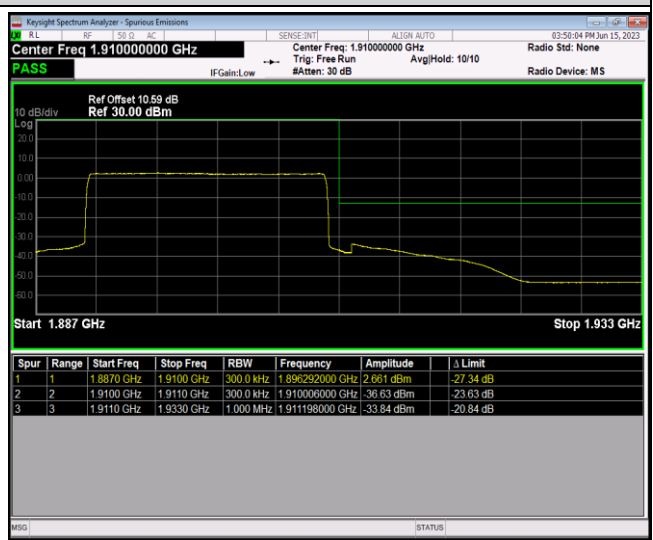
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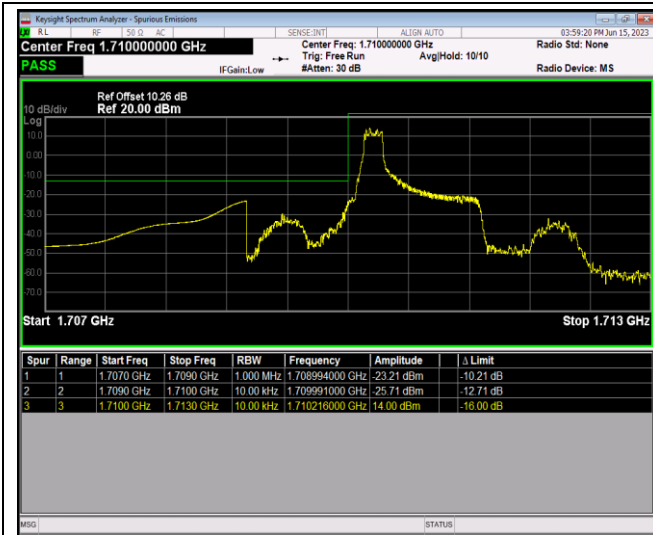
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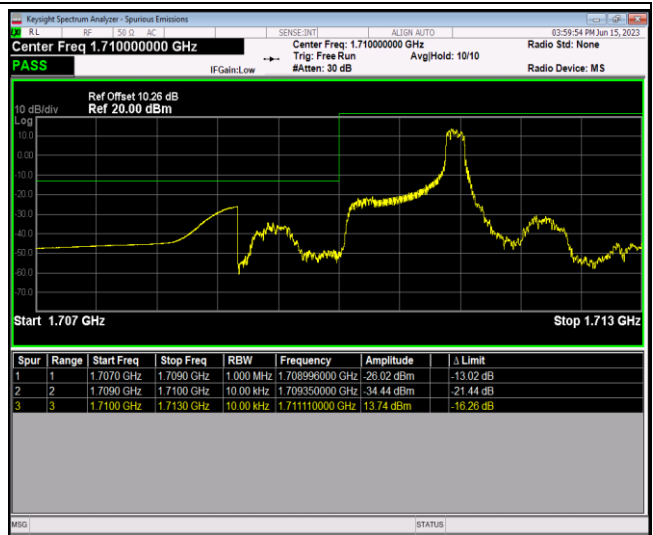
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Band4-1.4MHz-QPSK-19957-1RB#5



Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20393-1RB#0



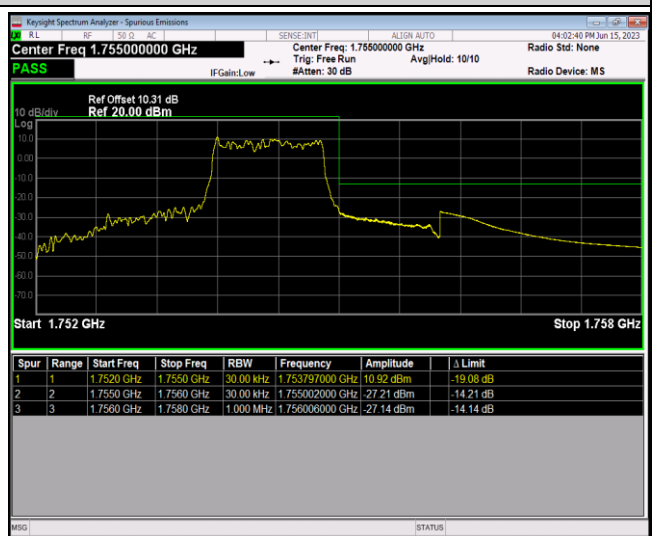
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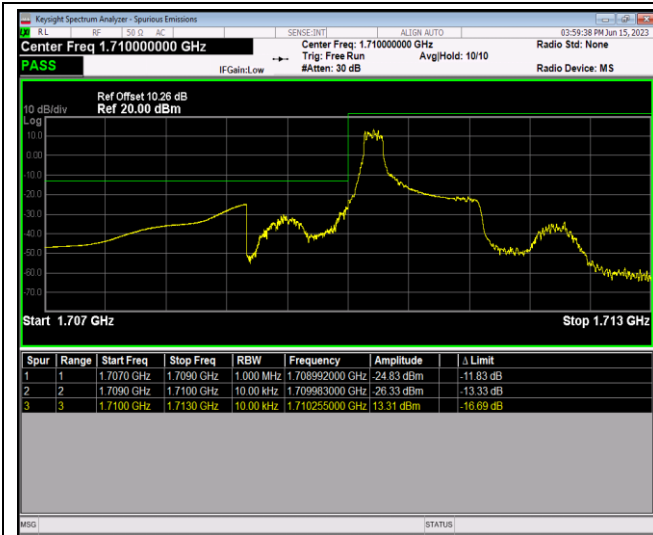
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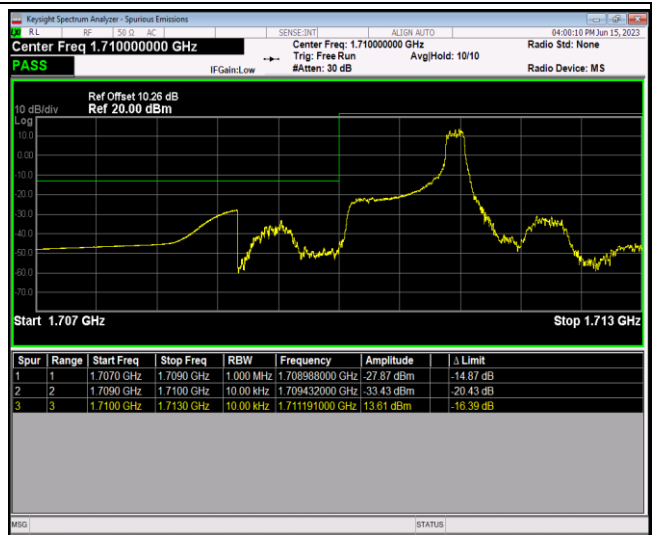
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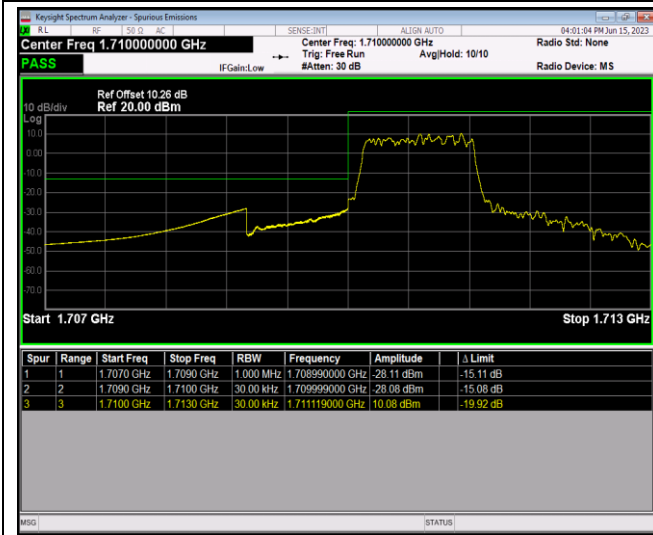
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Band4-1.4MHz-16QAM-20393-1RB#5



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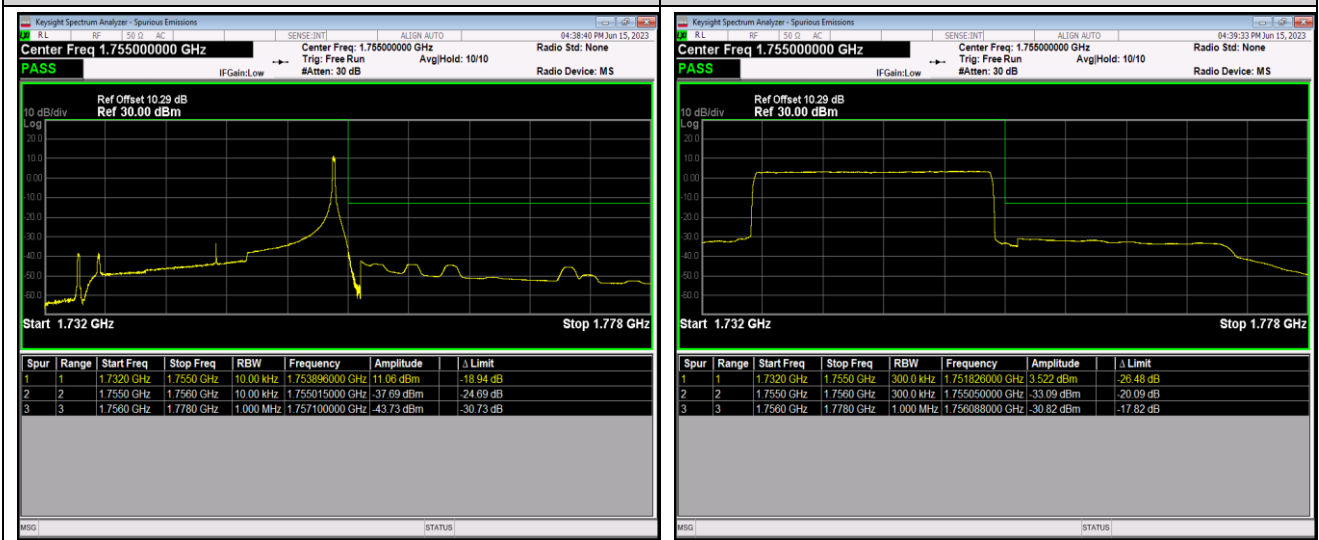
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Band4-20MHz-16QAM-20050-1RB#99



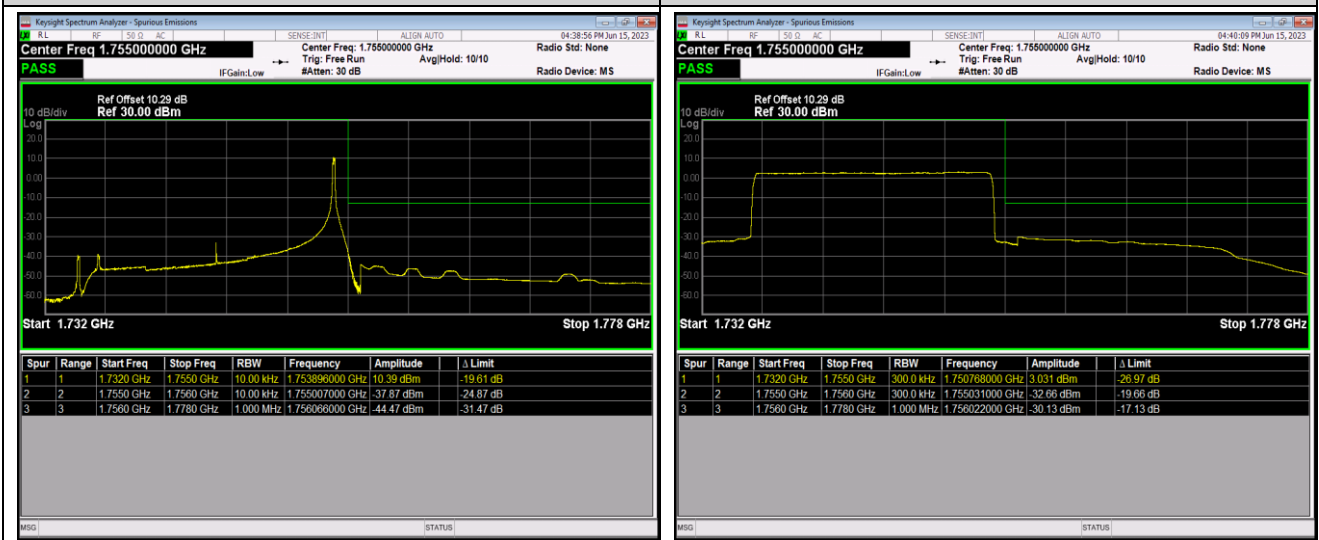
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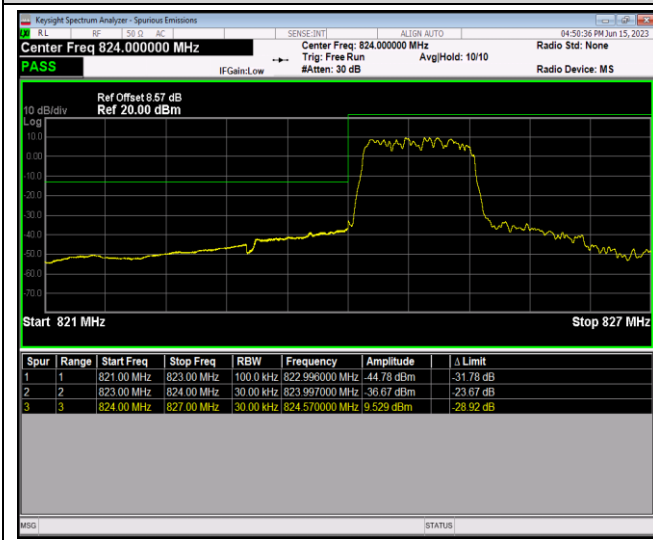
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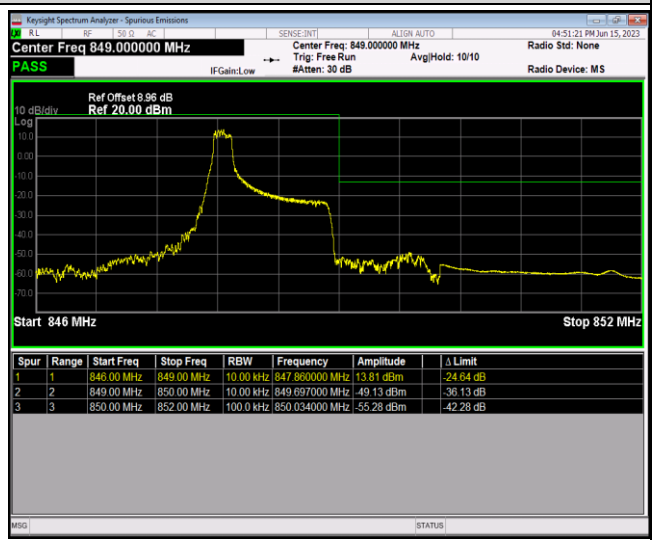


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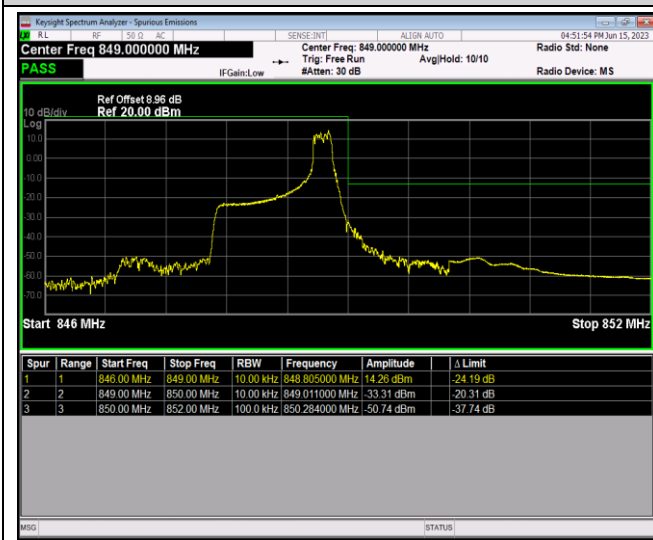
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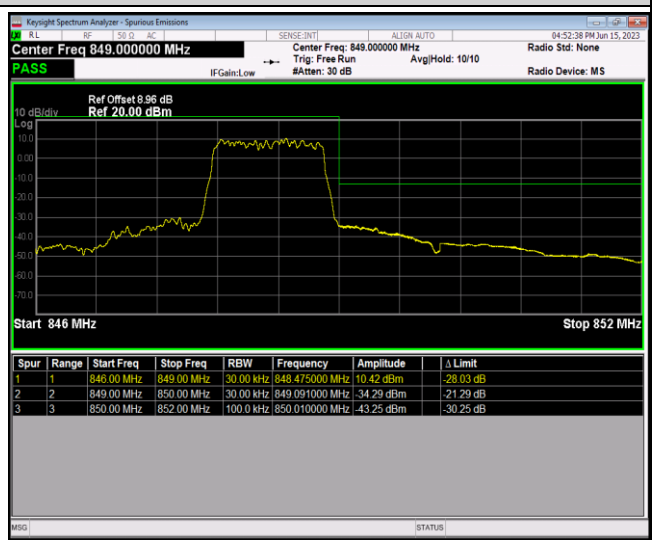
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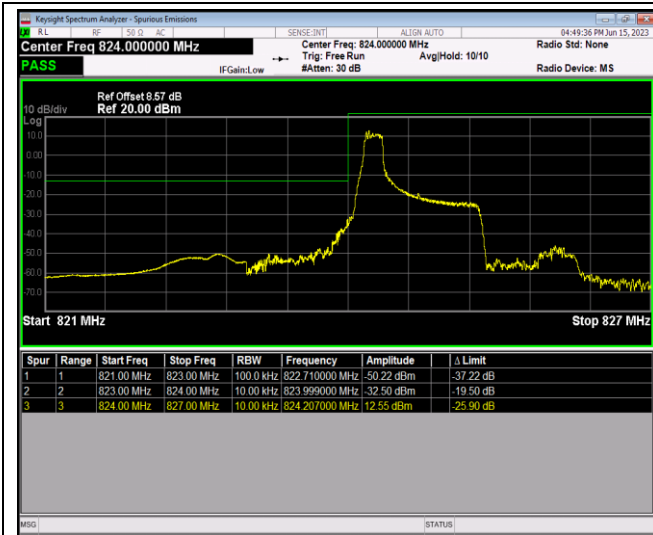
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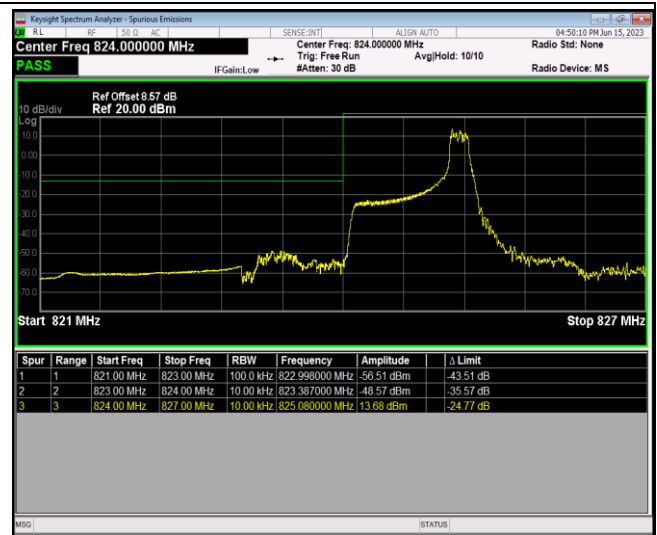
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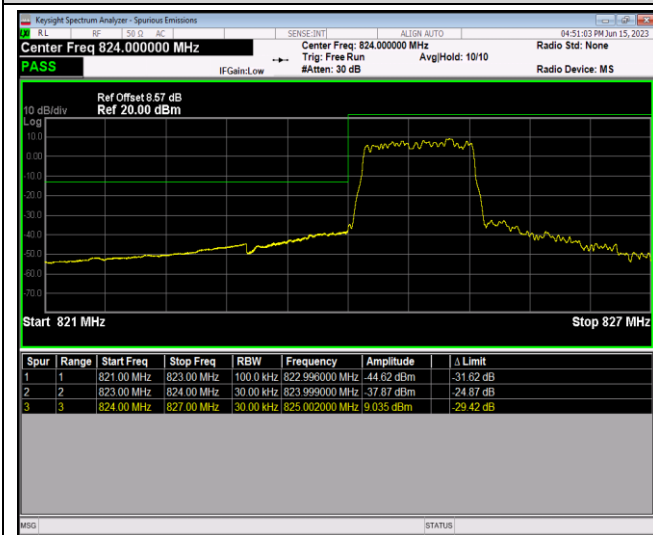
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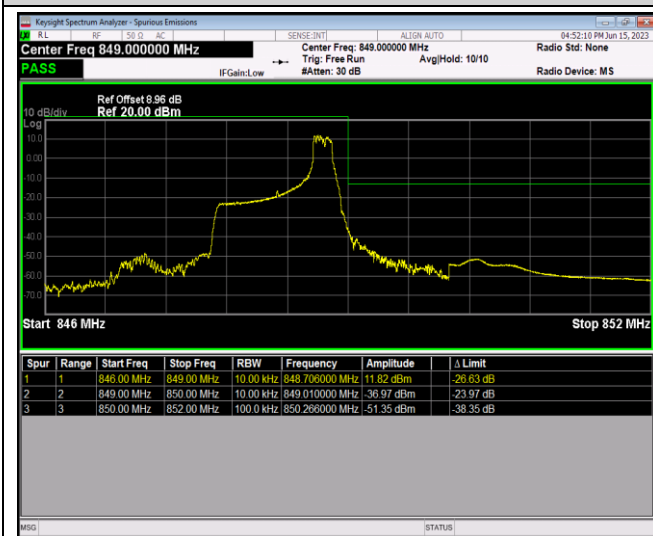
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Band5-10MHz-QPSK-20450-1RB#0



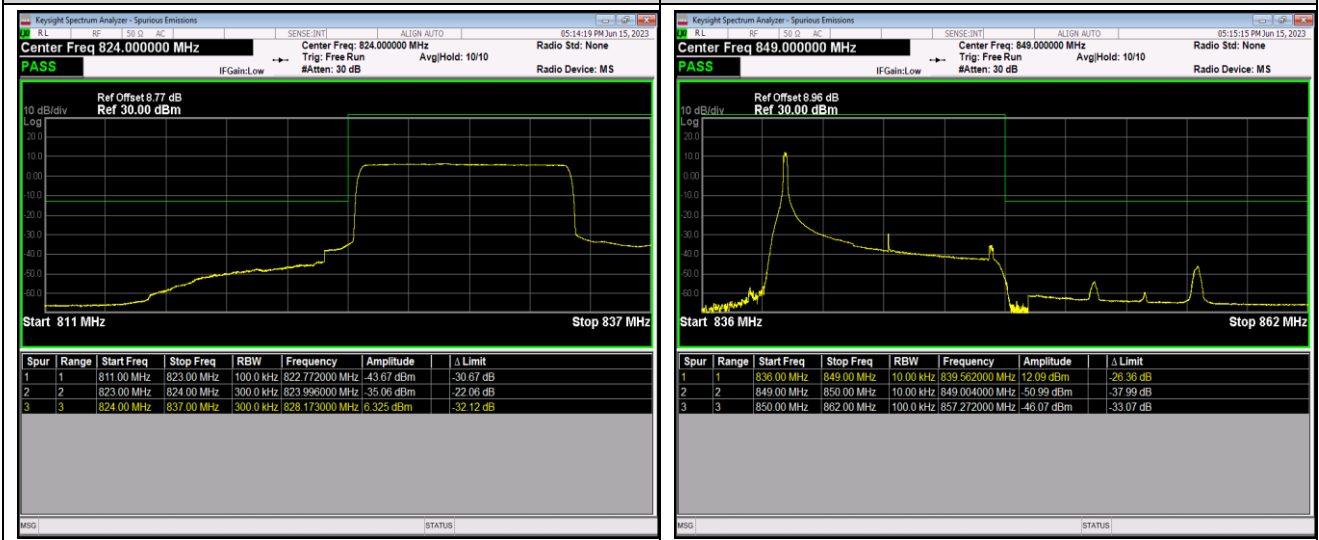
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Band5-10MHz-QPSK-20600-1RB#49

Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-1RB#0

Band5-10MHz-16QAM-20450-1RB#49